Disabling CFT Inputs to L1MUON

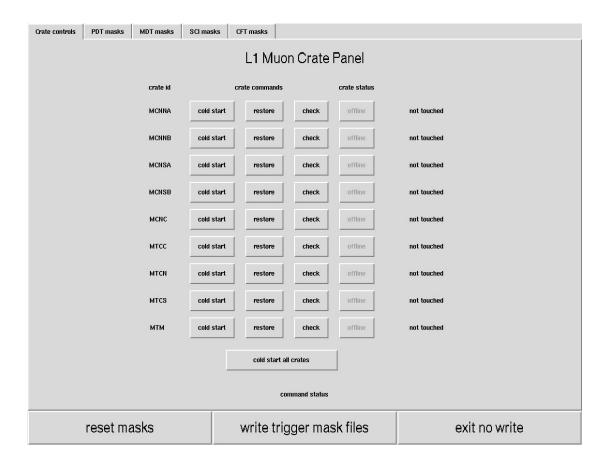
A problem with the CFT inputs might present itself in the following ways:

- And/Or terms 192 and 193 (the "beginning of turn" triggers) have values other than 47712 Hz.
- The central L1MUON crate (0x16) goes "Out of Synch" and doesn't recover after the DAQ shifter issues an SCL init.
- The L3 input rate drops suddenly and stays low.

If the shifter sees a problem, he/she should:

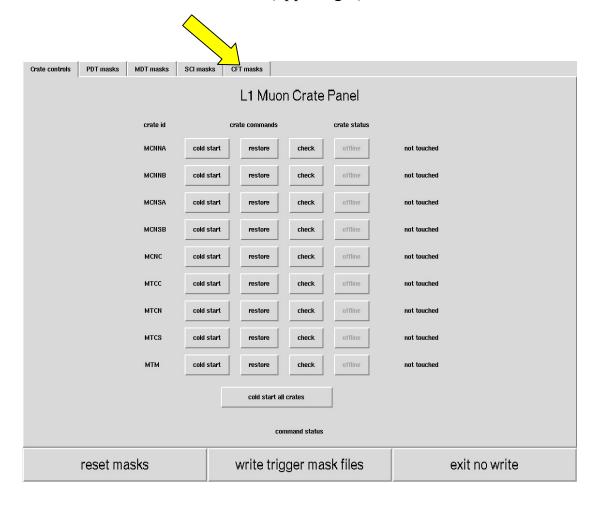
- Check with the CFT shifter to see if there is a CFT-related problem. If so, let them attempt to recover and, after the DAQ shifter issues an SCL init, check the above conditions again.
- If the problem persists, **request that the run be paused** and then disable the CFT inputs using the GUI (an illustrated guide is available in the L1MUON Documentation binder):
 - 1. mutest@d0o146~> setup d0online
 - 2. mutest@d0o146~>/projects/l1muo/vme_gui/l1muon_inputs.py& (A GUI window will appear.)
 - 3. Click on the "CFT masks" tab (upper right). (You will be taken to the notebook page for CFT Inputs.)
 - 4. Click on "kill all cft inputs" button.
 - 5. A new window will appear telling you to restore the MTCC crate. Click on "ok I'll do it" button.
 - 6. Click on "Crate Controls" tab (upper left) to return to the main page.
 - 7. In the row labeled MTCC, click on the "restore" button.
 - 8. If status button turns green, click on "exit no write" button.
 - 9. Ask the DAQ shifter to issue an SCL init. And/Or terms 192 and 193 on the DAQ Monitor should both be 47712 Hz. If so, you're done!
- Make a note in the logbook and send email to L1MUON experts (d0 l1mu@fnal.gov).

- 1. mutest@d0o146~> setup d0online
- 2. mutest@d0o146~>/projects/l1muo/vme_gui/l1muon_inputs.py&

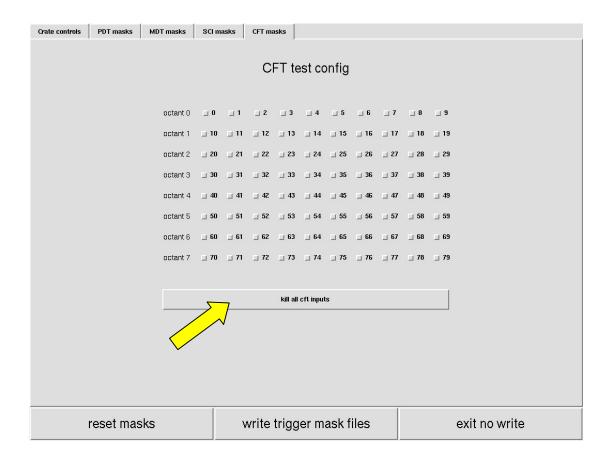


(A GUI window will appear)

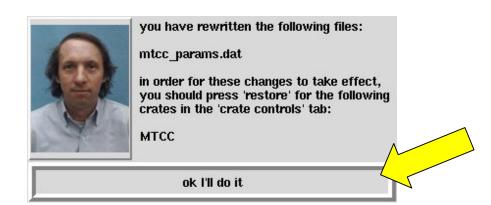
3. Click on the "CFT masks" tab (upper right)



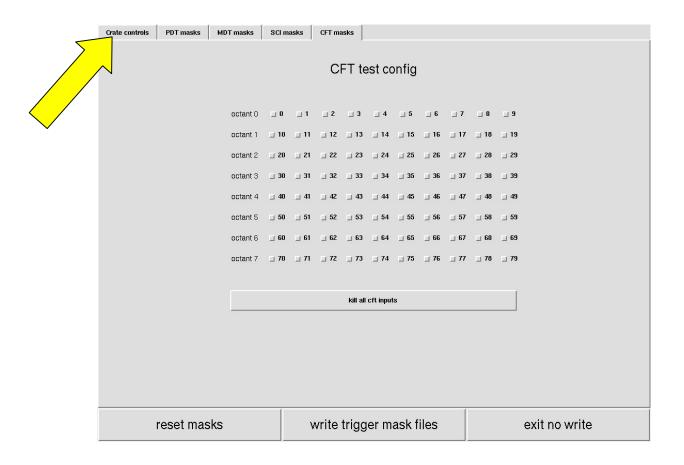
4. Click on "kill all cft inputs" button



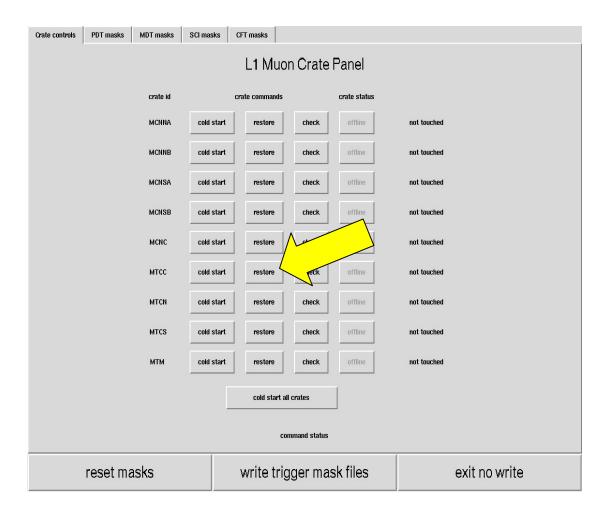
5. A new window will appear telling you to restore the MTCC crate. Click on "ok I'll do it" button



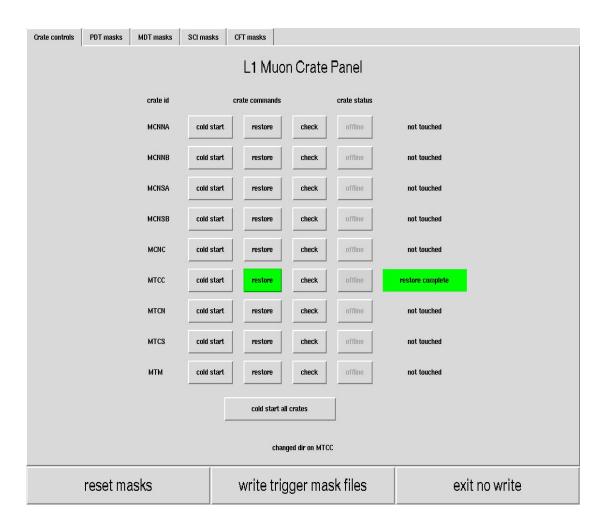
6. Click on "Crate Controls" notebook tab (upper left)



7. In the row labeled MTCC, click on the "restore" button



8. If status button turns green, click on "exit no write" button.



9. Ask the DAQ shifter to issue an sclinit. And/Or terms 192 and 193 on the DAQ Monitor should both be 47712 Hz. If so, you're done!

